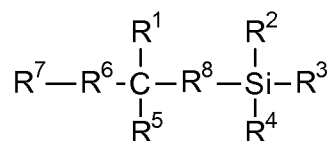


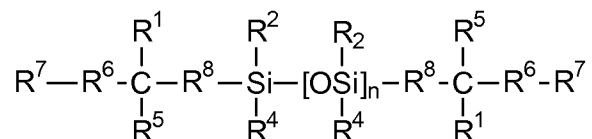
This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. **(Currently Amended).** A process for purifying at least one silicone containing monomer comprising the steps of contacting said at least one silicone containing monomer of Formula I or II



I



II

wherein:

n is an integer between 3 and 35,

R¹ is hydrogen, C₁₋₆alkyl;

R², R³, and R⁴, are independently, C₁₋₆alkyl, triC₁₋₆alkylsiloxy, phenyl, naphthyl, substituted C₁₋₆alkyl, substituted phenyl, or substituted naphthyl

where the alkyl substituents are selected from one or more members of the group consisting of C₁₋₆alkoxycarbonyl, C₁₋₆alkyl, C₁₋₆alkoxy, amide, halogen, hydroxyl, carboxyl, C₁₋₆alkylcarbonyl and formyl, and

where the aromatic substituents are selected from one or more members of the group consisting of C₁₋₆alkoxycarbonyl, C₁₋₆alkyl, C₁₋₆alkoxy, amide, halogen, hydroxyl, carboxyl, C₁₋₆alkylcarbonyl and formyl;

R⁵ is hydroxyl, an alkyl group containing one or more hydroxyl groups; or

(CH₂(CR⁹R¹⁰)_yO)_x-R¹¹ wherein y is 1 to 5, preferably 1 to 3, x is an integer of 1 to 100, preferably 2 to 90 and more preferably 10 to 25; R⁹ - R¹¹ are independently

selected from H, alkyl having up to 10 carbon atoms and alkyls having up to 10 carbon atoms substituted with at least one polar functional group,

R⁶ is a divalent group comprising up to 20 carbon atoms;

R⁷ is a monovalent group that can undergo free radical and/or ionic polymerization and comprising up to 20 carbon atoms;

R⁸ is a divalent group comprising up to 20 carbon atoms

with a supercritical fluid having a density of between about 0.2 and about 1 g/ml, decreasing said density so that two phases are formed a first phase comprising said at least one silicone containing monomer and a second phase comprising at least one impurity and separating said second phase from said first phase.

2. **(Original)**. The process of claim 1 wherein said supercritical fluid is selected from the group consisting of carbon dioxide, ethane, ethylene, propane, propylene, chlorotrifluoromethane and mixtures thereof.

3. **(Original)**. The process of claim 1 wherein the supercritical fluid comprises carbon dioxide.

4. **(Original)**. The process of claim 1 wherein the supercritical fluid has a density of between about 0.4 and about 0.8 g/ml.

5. **(Original)**. The process of claim 1 wherein the contacting step comprises at least two stages a first stage and a second stage wherein the density of said supercritical fluid is lower than the density in the first stage.

6. **(Original)**. The process of claim 5 wherein the density of the supercritical fluid in the first first stage is between about 0.4 and about 0.8 g/ml and the density of the supercritical fluid in the second stage is between about 0.1 g/ml and about 0.4 g/ml.

7. **(Original)**. The process of claim 5 further comprising at least one additional contacting stage.

8. **(Original)**. The process of claim 5 wherein the contacting step comprises at least three stages and the density of the supercritical fluid in the first stage is between about 0.5 and about 0.7 g/ml, the density of the supercritical fluid in the second stage is between about 0.3 g/ml and about 0.5 g/ml and the density of the supercritical fluid in a third stage is between about 0.1 g/ml and about 0.3 g/ml.

9. **(Original).** The process of claim 5 wherein the contacting step comprises at least four stages and the density of the supercritical fluid in the first stage is between about 0.5 and about 0.7 g/ml, the density of the supercritical fluid in the second stage is between about 0.3 g/ml and about 0.5 g/ml, the density of the supercritical fluid in a third stage is between about 0.15 g/ml and about 0.35 g/ml and the density of the supercritical fluid in a fourth stage is between about 0.1 g/ml and about 0.3 g/ml.

10. **(Original).** The process of claim 1 wherein said contacting step is conducted under conditions comprising pressures from about 1,000 psi to about 5,000 psi and temperatures greater than about 31°C.

11. **(Original).** The process of claim 1 wherein said contacting step is conducted under conditions comprising pressures from about 2,000 psi to about 3,000 psi and temperatures between about 31 and about 80°C.

12. **(Canceled).**

13. **(Previously presented).** The process of claim 1 wherein the silicone containing monomer comprises at least one polymerizable group.

14. **(Canceled).**

15. **(Previously Presented).** The process of claim 1 wherein R^1 is hydrogen; R^2, R^3 , and R^4 , are independently selected from the group consisting of C_{1-6} alkyl and $\text{tri}C_{1-6}$ alkylsiloxyl;

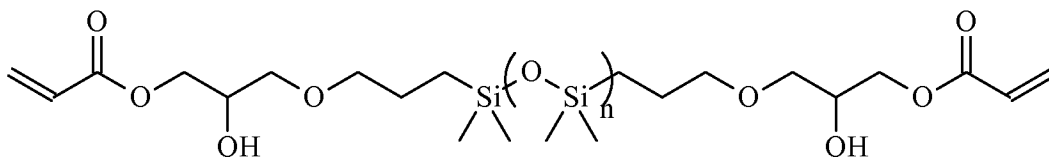
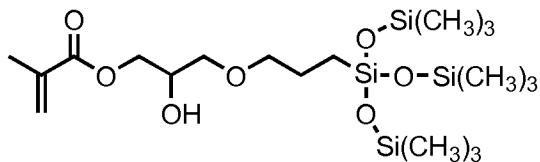
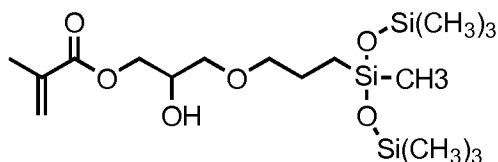
R^5 is hydroxyl, $-\text{CH}_2\text{OH}$ or $-\text{CH}_2\text{CHOHCH}_2\text{OH}$,

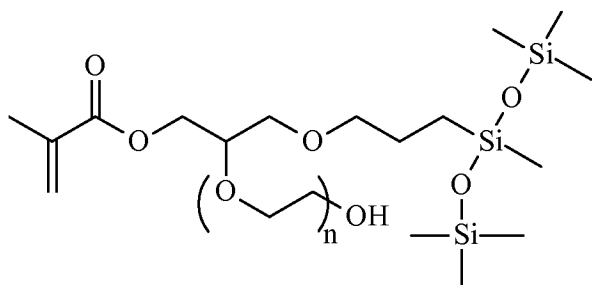
R^6 is a divalent C_{1-6} alkyl, C_{1-6} alkyloxy, C_{1-6} alkyloxy C_{1-6} alkyl, phenylene, naphthalene, C_{1-12} cycloalkyl, C_{1-6} alkoxycarbonyl, amide, carboxy, C_{1-6} alkylcarbonyl, carbonyl, C_{1-6} alkoxy, substituted C_{1-6} alkyl, substituted C_{1-6} alkyloxy, substituted C_{1-6} alkyloxy C_{1-6} alkyl, substituted phenylene, substituted naphthalene, substituted C_{1-12} cycloalkyl, where the substituents are selected from one or more members of the group consisting of C_{1-6} alkoxycarbonyl, C_{1-6} alkyl, C_{1-6} alkoxy, amide, halogen, hydroxyl, carboxyl, C_{1-6} alkylcarbonyl and formyl;

R^7 comprises a free radical reactive group selected from the group consisting of acrylate, styryl, vinyl, vinyl ether, itaconate group, C_{1-6} alkylacrylate, acrylamide, C_{1-6} alkylacrylamide, N-vinylactam, N-vinylamide, C_{2-12} alkenyl, C_{2-12} alkenylphenyl, C_{2-12} alkenylnaphthyl and C_{2-6} alkenylphenyl C_{1-6} alkyl;

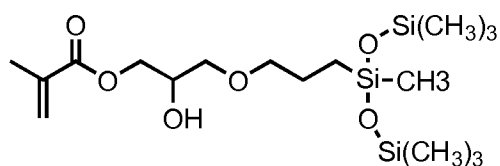
R^8 is selected from the group consisting of divalent C_{1-6} alkyl, C_{1-6} alkyloxy, C_{1-6} alkyloxy C_{1-6} alkyl, phenylene, naphthalene, C_{1-12} cycloalkyl, C_{1-6} alkoxycarbonyl, amide, carboxy, C_{1-6} alkylcarbonyl, carbonyl, C_{1-6} alkoxy, substituted C_{1-6} alkyl, substituted C_{1-6} alkyloxy, substituted C_{1-6} alkyloxy C_{1-6} alkyl, substituted phenylene, substituted naphthalene, substituted C_{1-12} cycloalkyl, where the substituents are selected from one or more members of the group consisting of C_{1-6} alkoxycarbonyl, C_{1-6} alkyl, C_{1-6} alkoxy, amide, halogen, hydroxyl, carboxyl, C_{1-6} alkylcarbonyl and formyl.

16. **(Previously presented).** The process of claim 1 wherein the silicone containing monomer is selected from the group consisting of



ROCC(OR)C(OR)C(=O)NCCCC[Si](C)(C)(OC[Si](C)(C)C)OC[Si](C)(C)C(=O)NCCCC(OR)C(OR)C(OR)CO

17. **(Previously presented).** The process of claim 15 wherein said silicone containing monomer comprises



19. **(Canceled).**
20. **(Canceled).**
21. **(Canceled).**